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Mississippi Coastal Improvements Program (MsCIP)



- Comprehensive Planning to Address
 - Hurricane and Storm Damage Reduction
 - Salt Water Intrusion
 - Shoreline Erosion
 - Fish and Wildlife Preservation
 - Other Water Related Resource Projects
- Cost Effective Projects in lieu of NED benefits
- No Incremental Benefit-Cost Analysis
- Report requirements
- Compatible with State Coastal Restoration Plan
 - Breakwater structures for surge protection
 - Deer Island restoration to pre-1900 footprint
 - Barrier island restoration to pre-Camille conditions
 - Restoration of 10,000 acres of coastal marshes, beaches, and forests
 - Restoration of historical water flow to coastal watersheds, including diverting freshwater from Louisiana
 - Submerged aquatic vegetation restoration
 - Oyster reef restoration and enhancement



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Mississippi Coastal Improvements Program (MsCIP) INTERIM PROJECTS



PROJECT	STATUS
Bayou Caddy	Design complete. Award May 09
Hancock County Beaches	Contract task order in negotiation
Hancock County Streams	Contract task order in negotiation for lower segment
Jackson Marsh	In Construction
Clermont Harbor	Construction Complete
Downtown Bay St. Louis	Hancock County exercising Quick Take. Award July 09
Cowand Point	In Construction
Long Beach Canals	Contract task order in negotiation for Bayou Portage segment
Harrison County Dunes	Planting scheduled late winter/early spring
Courthouse Road	Construction Complete
Shearwater Bridge	In Construction
Gautier Streams	Contract task order in negotiation for one stream segment
Pascagoula Beach Blvd	Contract task order in negotiation
Upper Bayou Casotte	Contract task order in negotiation for a portion of project
Franklin Creek Floodway	Real Estate acquisition in progress



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Mississippi Coastal Improvements Program (MsCIP) COMPREHENSIVE PLANNING ELEMENTS



Education, Evacuation, Planning, and Flood Plain Management
Barrier Island Restoration
High Hazard Area Risk Reduction Program (HARP)
 Near Term – 2000 parcels / 5 year window
 Long Term – Out year acquisition coordination
Moss Point Municipal Relocation Project
Waveland Floodproofing Pilot
Forrest Heights Levee
Coastal Forest and Wetland Restoration
Coast-wide Beach/Dune Restoration
Submerged Aquatic Vegetation Restoration
Freshwater Diversion
Other



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Mississippi Coastal Improvements Program (MsCIP)

EDUCATION, EVACUATION, PLANNING AND FLOOD PLAIN MANAGEMENT



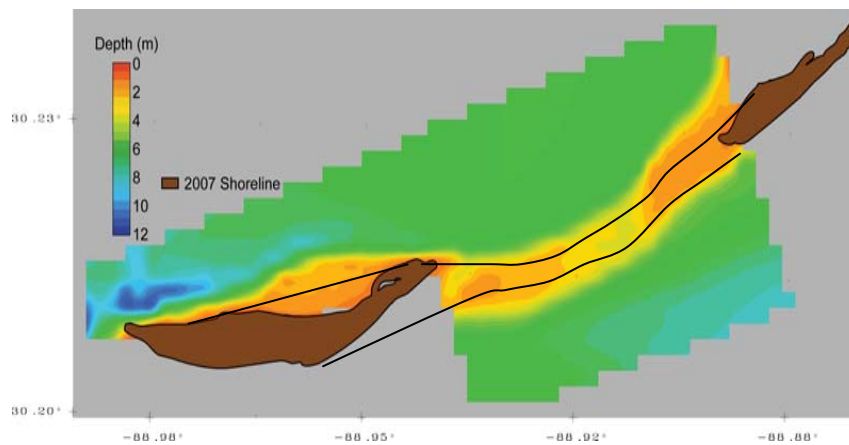
- Critical components of Comprehensive Plan
 - Hurricane Risk Reduction Education
 - Hurricane and Storm Warning System
 - Hurricane Evacuation Planning
 - Flood Plain Management
 - Building Codes
 - Zoning Codes
 - Long-term Critical Infrastructure / Facility Relocation
- Coordination required among all parties – Federal, State, Local, Academic, NGOs



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Mississippi Coastal Improvements Program (MsCIP) BARRIER ISLAND RESTORATION



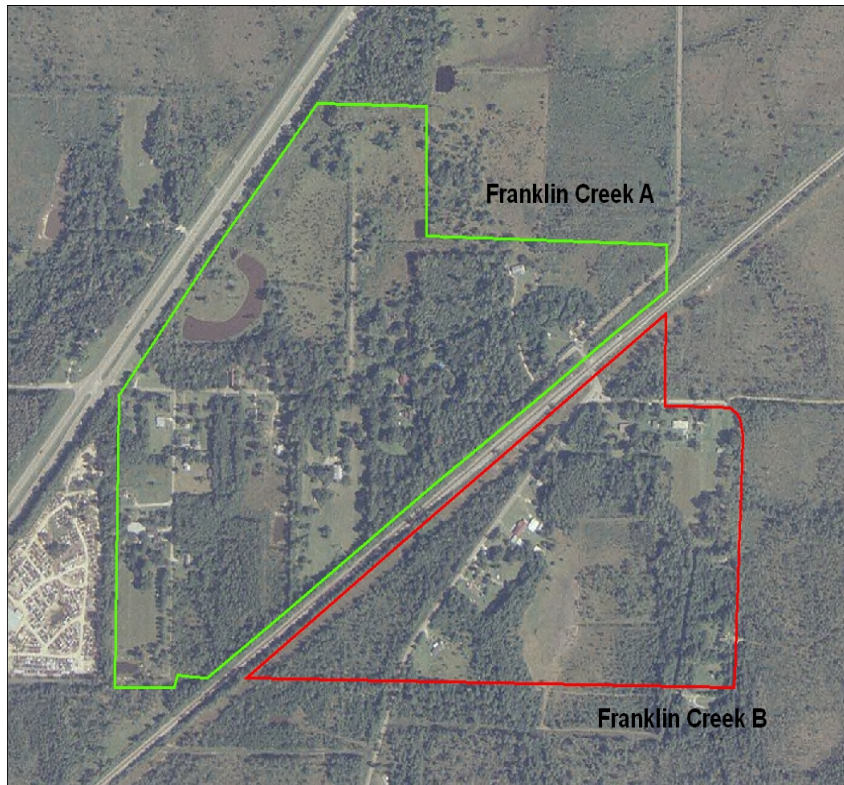
- Coastal erosion reduction
- Mississippi Sound benefit
- Advanced Engineering & Design
 - Modeling
 - Sediment budget
 - Environmental surveys
 - Sand search
 - NEPA supplement
 - Cat Island study
- Preliminary Plan
 - Ship Island Cut – 13 M cy
 - Dog Keys Pass – 5 M cy
 - Petit Bois Pass – 4 M cy
- St. Bernard Delta (45 miles SE); BWT disposal areas, Ship Island Pass Shoals
- Significant coordination – NPS, USGS, NMFS, FWS, MMS, EPA



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Mississippi Coastal Improvements Program (MsCIP) COASTAL FOREST – WETLAND RESTORATION



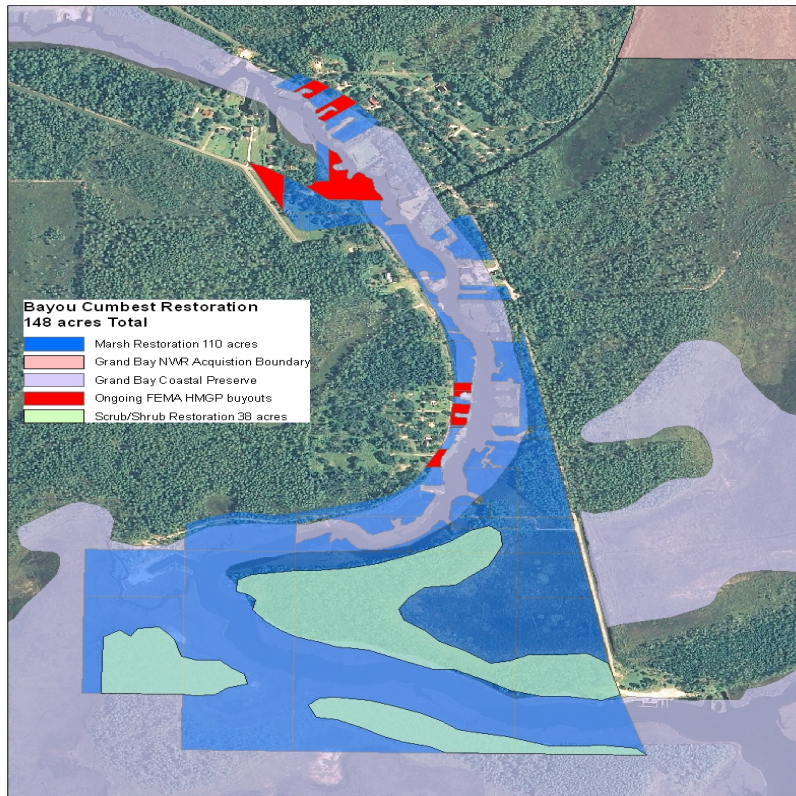
- Franklin Creek (149 ac)
 - Adjacent to Grand Bay NWR
 - Land acquisition part of Interim project
 - Fill ditches, excavate roadbeds and additional fill, add culverts under railroad embankment, remove exotics and undesirable understory by controlled burn and mowing
- Restore natural hydrology and vegetation
- Provide storm water storage capacity
- Required coordination – FWS, DMR



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Mississippi Coastal Improvements Program (MsCIP) COASTAL FOREST - WETLAND RESTORATION



- Bayou Cumbest (148 ac)
 - Tidal stream
 - Residential development repetitively damaged
 - HMGP – ongoing in red
 - Excavate old fill, fill artificial ditches, removal of exotics, plant native vegetation
- Restore 110 acres tidal wetlands and manage 38 acres of scrub/shrub
- Restore connectivity between habitats
- Coordination required – FWS, DMR



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Mississippi Coastal Improvements Program (MsCIP) FRESHWATER DIVERSION, VIOLET LA



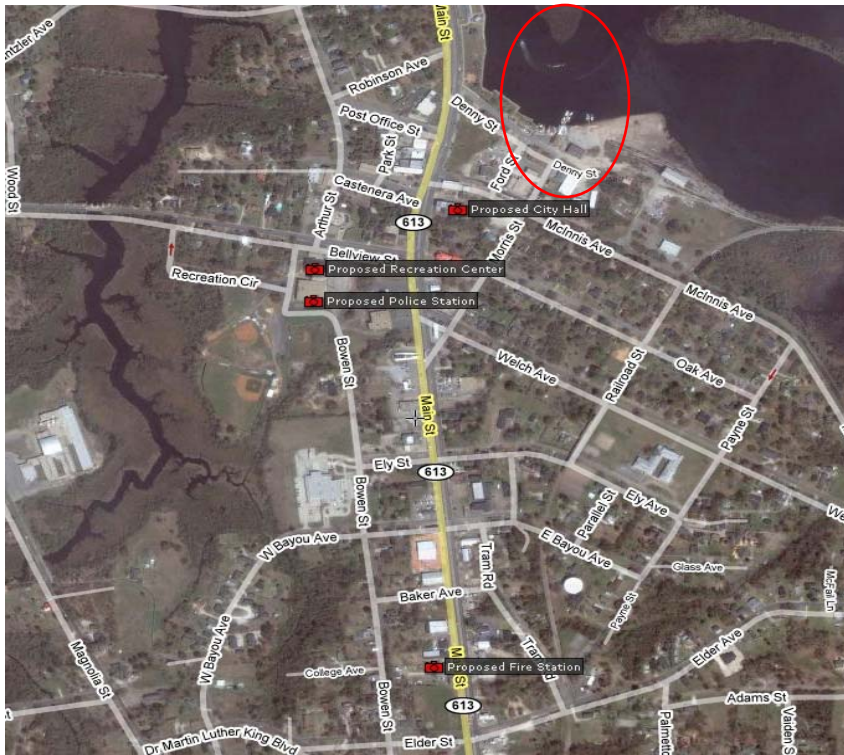
- Violet, LA – authorized in WRDA 2007
- Coordinated effort – LA & MS, MVN & SAM, FWS, NMFS, EPA
- AE&D – Establish diversion goals and criteria, modeling, finalize design, complete NEPA documentation



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Mississippi Coastal Improvements Program (MsCIP) MOSS POINT MUNICIPAL COMPLEX



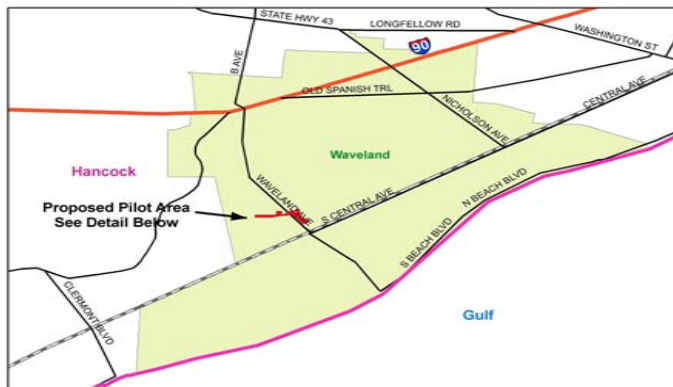
- Moss Point Municipal Complex
 - Relocate municipal buildings outside high hazard zone
 - Restore flood buffer potential to current location
 - Reduce interruption of public services
 - Fully coordinated with local municipality
 - Required coordination – FEMA, HUD, MDA



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Mississippi Coastal Improvements Program (MsCIP) WAVELAND FLOODPROOFING



- Waveland Floodproofing Project (25 structures)
 - Contiguous area, acceptable for floodproofing, structures still present
 - Apply new standards
 - Evaluate FEMA 550 design guidelines
 - Demonstrate techniques to stakeholders
 - Required coordination – FEMA, HUD, MEMA, MDA



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Mississippi Coastal Improvements Program (MsCIP) FORREST HEIGHTS LEVEE



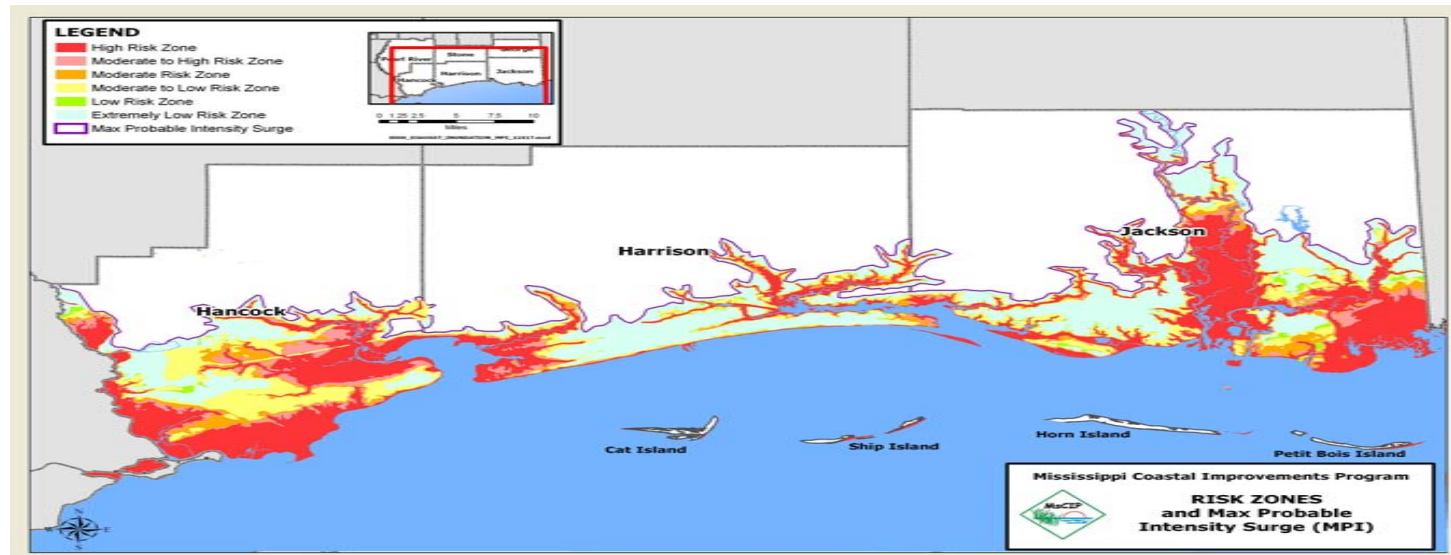
- Gulfport (west Hwy 49)
- Existing levee overtopped
- Levee improvement
 - Culturally significant community
 - NRCS rebuilding levee to pre-storm condition (not to required standard per NFIP)
 - Provide protection to between 100 – 250 year level
 - Combination earthen levee / concrete flood wall
 - Incorporating aesthetic / noise control aspects
- Coordination required – NRCS, FEMA



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Mississippi Coastal Improvements Program (MsCIP) HIGH HAZARD AREA RISK REDUCTION PROGRAM



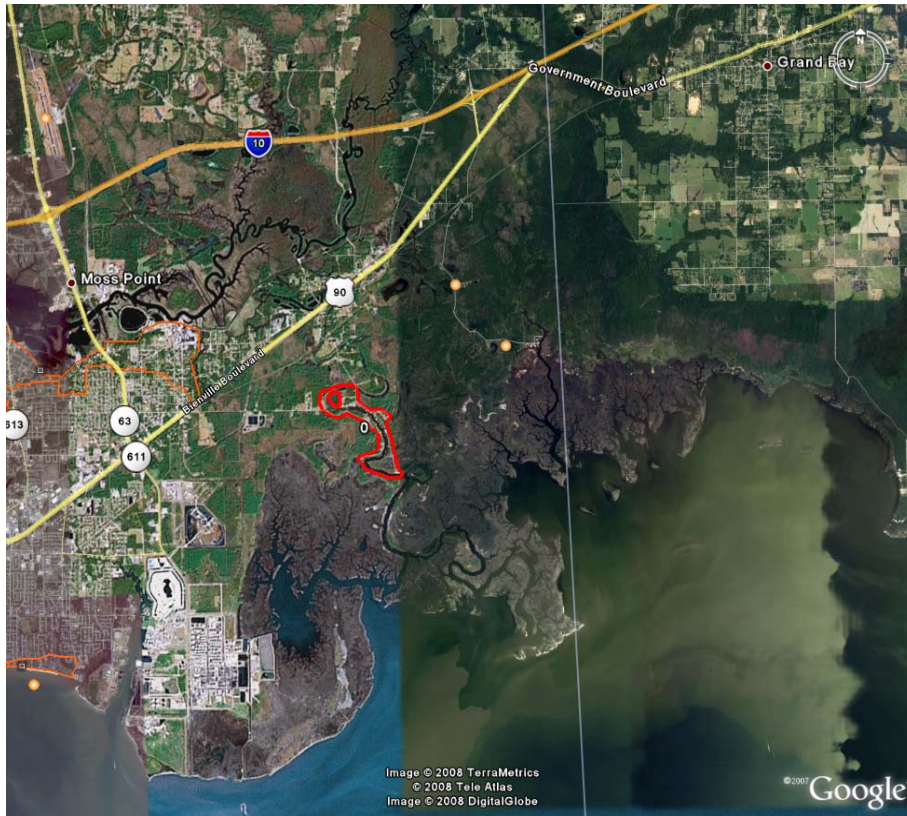
- Near Term
 - Willing sellers, approximately 2000 parcels, 100-yr floodplain. coordinated with local municipalities
- Long Term
 - Possible future effort coordinated with FEMA, HUD, State



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Mississippi Coastal Improvements Program (MsCIP) ADDITIONAL STUDY EFFORTS



- Escatawpa River diversion
 - Adjacent to Grand Bay NWR and NERR
 - Flows disrupted by US Hwy 90 and CSX RR
- At least 33 other sites identified for coastal forest
 - wetland restoration
- Flood damage reduction for major population centers (ring levees)
- Required coordination - EVERYBODY



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Mississippi Coastal Improvements Program (MsCIP) SCHEDULE



<u>DATE</u>	<u>MILESTONE</u>
13 Feb 2009	Federal Register Notice of Availability of EIS
16 Mar 2009	Jackson County Workshop / Public Hearing
17 Mar 2009	Hancock County Workshop / Public Hearing
19 Mar 2009	Harrison County Workshop / Public Hearing
26 Mar 2009	Federal Principals Meeting
31 Mar 2009	Comment Period Closes
20 Apr 2009	Transmit Final Report to SAD / HQ
21 May 2009	Civil Works Review Board
6 Jun 2009	State and Agency Review
6 Jul 2009	State and Agency Review Closes
20 Jul 2009	Sign Final Chief's Report and Transmit Final Recommendations/Report to ASA(CW)
20 Jul - 20 Nov 2009	ASA/Administration Review and Transmittal to Congress



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Mississippi Coastal Improvements Program (MsCIP) CONTACT INFORMATION



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